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› TEEROK T13 Mini Drone User Manual

## TEEROK T13-Q20 PRO

# TEEROK T13 Mini Drone User Manual

Model: T13-Q20 PRO

## 1. INTRODUCTION AND SAFETY GUIDELINES

Thank you for purchasing the TEEROK T13 Mini Drone. This manual provides essential information for the safe operation, maintenance, and troubleshooting of your drone. Please read this manual thoroughly before operating the drone to ensure proper use and to prevent damage or injury.

### Important Safety Precautions:

- Always operate the drone in open areas, away from people, animals, and obstacles.
- Do not fly near airports, power lines, or restricted airspace.
- Ensure the drone's batteries and the remote control's batteries are fully charged before each flight.
- Keep fingers and hair away from rotating propellers.
- Do not operate the drone in strong winds or adverse weather conditions.
- Adult supervision is recommended for children operating the drone.
- Turn off the drone and remote control when not in use.

## 2. PACKAGE CONTENTS

Verify that all items are present in your package:

- TEEROK T13 Mini Drone
- Remote Control
- Rechargeable Drone Batteries (3 included)
- USB Charging Cable
- Spare Propellers

- Propeller Guards
- Screwdriver
- User Manual (this document)



Image: The TEEROK T13 Mini Drone, its remote control, and the three included rechargeable batteries. The drone is black with silver accents and propeller guards. The remote control is also black with joysticks and buttons. The three batteries are rectangular and black.

### 3. PRODUCT OVERVIEW

#### Drone Components:

- Propellers
- Motors
- Camera (720P HD)
- Battery Compartment
- Power Switch
- LED Indicator Lights

## Remote Control Layout:

- Left Joystick (Throttle/Yaw)
- Right Joystick (Forward/Backward/Left/Right)
- One Key Start/Landing Button
- Headless Mode Button
- Speed Mode Button
- 3D Flip Button
- Photo/Video Button
- Power Button
- Phone Holder

## 4. SETUP

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### 4.1 Charging the Drone Batteries:

1. Connect the USB charging cable to the drone battery.
2. Plug the other end of the USB cable into a USB power adapter (e.g., computer USB port, phone charger).
3. The indicator light on the USB cable will show charging status (refer to cable instructions for specific light behavior).
4. Charging typically takes approximately 60-90 minutes per battery. The battery packs are protected against over-expansion.

### 4.2 Installing Drone Batteries:

1. Ensure the drone is powered off.
2. Carefully insert a charged battery into the drone's battery compartment until it clicks into place.

### 4.3 Installing Remote Control Batteries:

The remote control requires 3 AAA batteries (included). Open the battery compartment on the back of the remote control and insert the batteries, observing correct polarity (+/-).

### 4.4 Pairing the Drone and Remote Control:

1. Place the drone on a flat, level surface.
2. Turn on the drone's power switch. The drone's LED lights will flash.
3. Turn on the remote control.
4. Push the left joystick (throttle) all the way up, then all the way down. The drone's LED lights will stop flashing and become solid, indicating successful pairing.

### 4.5 App Installation and FPV Setup:

To use the 720P HD camera and live transmission (FPV), download the dedicated TEEROK drone app from your smartphone's app store. Once installed:

1. Turn on the drone and remote control, ensuring they are paired.
2. Enable Wi-Fi on your smartphone and connect to the drone's Wi-Fi network (usually named "TEEROK-XXXXXX").

3. Open the TEEROK drone app. You should see the live video feed from the drone's camera.

## FPV KAMERA with Live Transmission



Camera mode



Video mode



Image: The TEEROK T13 Mini Drone flying indoors, demonstrating its FPV camera with live transmission capability. The image shows the drone in flight and a split view below illustrating camera mode and video mode, with children interacting with a tablet showing the drone's view.

## 5. OPERATING INSTRUCTIONS

### 5.1 Basic Flight Controls:

- **One Key Start/Landing:** After pairing, press the One Key Start/Landing button to automatically take off and hover at a certain height. Press again to land automatically.
- **Take Off Manually:** After pairing, push both joysticks down and outwards simultaneously to start the propellers. Then gently push the left joystick (throttle) up to take off.
- **Throttle (Left Joystick Up/Down):** Controls the drone's altitude. Push up to ascend, push down to descend.
- **Yaw (Left Joystick Left/Right):** Controls the drone's rotation. Push left to rotate counter-clockwise, push right to rotate clockwise.

- **Forward/Backward (Right Joystick Up/Down):** Controls the drone's forward and backward movement.
- **Left/Right (Right Joystick Left/Right):** Controls the drone's sideward movement (strafe).

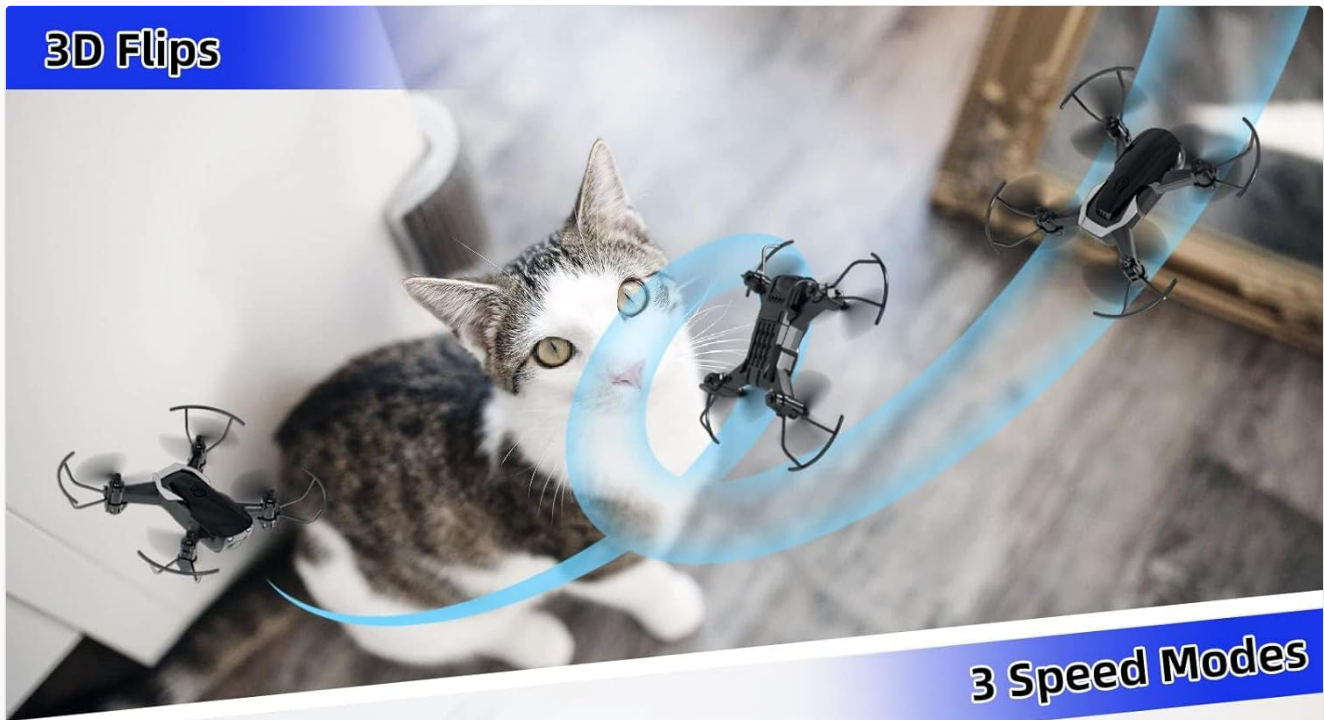


Image: The TEEROK T13 Mini Drone flying outdoors, illustrating its user-friendly features for beginners. The image highlights "One Key Start/Landing," "Headless Mode," and "Altitude Hold" with corresponding diagrams. A parent and child are shown outdoors, with the child holding a tablet, suggesting ease of use.

## 5.2 Special Flight Modes and Features:

- **Altitude Hold:** The drone will automatically maintain a certain height, making it easier to control. This feature is active after one-key start/landing or when the throttle is released.
- **Headless Mode:** Press the Headless Mode button. In this mode, the drone's orientation is relative to the pilot, regardless of the drone's front direction. This simplifies control for beginners. Press the button again to exit Headless Mode.
- **Speed Modes:** Press the Speed Mode button to cycle through 3 different speed settings (Low, Medium, High). This allows pilots to adjust the drone's responsiveness to their skill level or flight environment.
- **3D Flips:** Fly the drone to a height of at least 2 meters. Press the 3D Flip button, then push the right joystick in any direction (forward, backward, left, or right) to perform a 360-degree flip in that direction.

## 3D Flips



## 3 Speed Modes



Image: The TEEROK T13 Mini Drone showcasing its 3D flip capability, with one drone flipping near a cat and another demonstrating multiple speed modes with motion blur. A person is shown watching the drone, highlighting the interactive features.

### 5.3 Camera Operation:

- **Taking Photos:** While connected to the app, tap the photo icon on the app interface or press the dedicated Photo/Video button on the remote control (refer to remote diagram for location).
- **Recording Videos:** While connected to the app, tap the video icon on the app interface or press and hold the dedicated Photo/Video button on the remote control to start/stop recording.
- Photos and videos are typically saved directly to your smartphone's gallery via the app.

### 5.4 Low Battery Warning and Auto-Landing:

When the drone's battery is low, the LED indicator lights will flash, and the drone will automatically initiate an auto-landing sequence to prevent crashes. Land the drone immediately and replace or recharge the battery.

## 6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the drone and remote control. Do not use harsh chemicals or solvents.
- **Propeller Replacement:** If a propeller is damaged, use the included screwdriver to carefully remove the screw holding the damaged propeller. Replace it with a spare propeller, ensuring the correct propeller type (A or B) is installed in the corresponding position. Secure with the screw.
- **Storage:** Store the drone and remote control in a cool, dry place away from direct sunlight and extreme temperatures. Remove batteries from the remote control if storing for extended periods.
- **Propeller Guards:** The drone is equipped with propeller guards for protection. Ensure they are securely attached before flight.

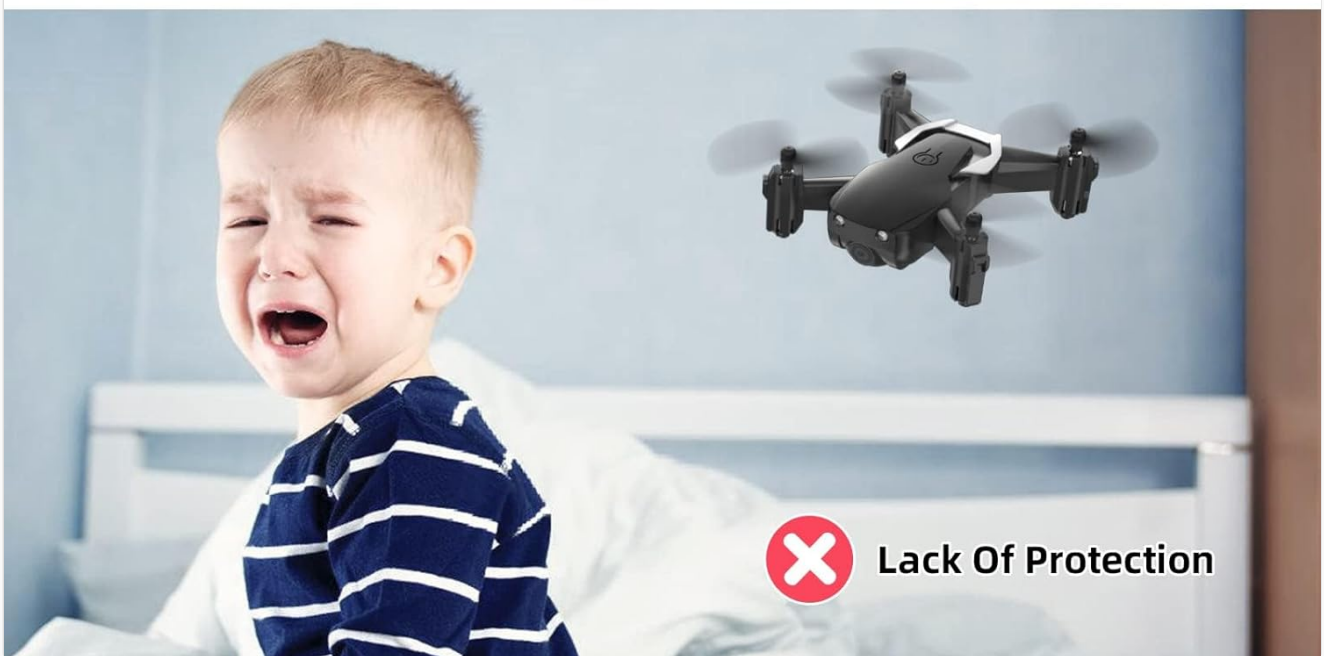


Image: The TEEROK T13 Mini Drone illustrating its full range of protection with propeller guards, shown flying near a happy child. Below, a contrasting image shows a crying child and a drone without visible protection, emphasizing the importance of the protective features.

## 7. TROUBLESHOOTING

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Problem	Possible Cause	Solution
Drone does not respond to remote control.	Not paired; Low battery (drone or remote); Out of range.	Re-pair the drone and remote. Charge/replace batteries. Ensure drone is within operating range.
Drone drifts during flight.	Not calibrated; Uneven surface at takeoff; Damaged propeller.	Perform gyroscope calibration (refer to app/remote instructions). Take off from a flat surface. Check and replace damaged propellers.
Camera feed is not visible on smartphone.	Not connected to drone's Wi-Fi; App not open or crashed.	Ensure smartphone is connected to the drone's Wi-Fi network. Restart the app and drone.
Short flight time.	Battery not fully charged; Old battery; Aggressive flying.	Ensure batteries are fully charged. Consider replacing old batteries. Fly more gently.
Drone crashes frequently.	Pilot inexperience; Environmental factors (wind); Damaged parts.	Practice in open, calm areas. Use low speed mode. Check for damaged propellers or motors.

## 8. SPECIFICATIONS

Feature	Detail
Model	T13-Q20 PRO
Brand	TEEROK
Dimensions	23 x 45 x 50 cm
Weight	102 g
Camera Resolution	720p HD
Flight Time	Up to 40 minutes (with 3 batteries)
Batteries	3 x AAA (for remote, included), Rechargeable Drone Batteries (3 included)
Special Features	360 Degree Flip, Auto-Landing, Extended Flight Time, Foldable, Speed Adjustment, Headless Mode, Altitude Hold

## 9. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the product packaging or contact TEEROK customer service directly. Keep your purchase receipt as proof of purchase.

For further assistance or technical support, please visit the official TEEROK website or contact their support team via the contact information provided with your product.

# IDEAL GIFT FOR CHILDREN AND ADULTS



Image: The TEEROK T13 Mini Drone flying outdoors, with hands holding the remote control in the foreground and a parent and child in the background, suggesting it is an ideal gift for both children and adults.

## 10. VIDEO RESOURCES

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No official product videos from the seller were found in the provided data. Please refer to the written instructions and diagrams for guidance.